

CLAIMS

1. An environment-compliant image display system having a plurality of image display devices which are disposed at different locations and display substantially the same image when an object is displayed by the image display devices, each of the image display devices comprising:

correction means which corrects input/output characteristic data for display used by display means in each of the image display devices to represent ideal image colors, based on visual environment information which indicates visual environment of an image display area.

2. An environment-compliant image display system having a plurality of image display devices which are disposed at different locations and display substantially the same image when an object is displayed by the image display devices, one of the image display devices comprising:

transmission means which transmits image information for representing an ideal image to the other of the image display devices through a transmission path; and

correction means which corrects input/output characteristic data for display used by display means in each of the image display devices to represent ideal image colors, based on the image information and visual environment information which indicates visual environment of an image display area in a disposed location,

wherein the other of the image display devices has:  
reception means which receives the image information from  
the one of the image display devices through the transmission  
path; and

5 another correction means which corrects the input/output  
characteristic data for display used by the display means in  
each of the image display devices to represent ideal image  
colors, based on the received image information and the visual  
environment information which indicates the visual environment  
10 of an image display area in a disposed location.

3. An environment-compliant image display system having a  
plurality of image display devices which are provided at  
different locations and display an image compliant with visual  
15 environment of a specific location in each of the different  
locations, each of the image display devices comprising:

transmission means which transmits reference visual  
environment information of the specific location to the other  
image display devices disposed at locations different from the  
20 specific location through a transmission path, when the image  
display device is disposed at the specific location;

reception means which receives the reference visual  
environment information through the transmission path, when  
image display device is disposed at a location different from  
25 the specific location; and

correction means which corrects input/output  
characteristic data for display used by display means in each

of the image display devices to display an image compliant with the visual environment of the specific location, based on the received reference visual environment information and individual visual environment information of a disposed  
5 location when the image display device is disposed at a location different from the specific location.

4. An environment-compliant image display system having a plurality of image display devices which are provided at  
10 different locations and display an image compliant with visual environment of a specific location in each of the different locations, an image display device of the plurality of the image display devices disposed at a location different from the specific location comprising:

15 reception means which receives reference visual environment information of the specific location transmitted from the specific location; and

correction means which corrects input/output characteristic data for display used by display means in each  
20 of the image display devices to display an image compliant with the visual environment information of the specific location, based on the received reference visual environment information and individual visual environment information of a disposed location.

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5. The image display system as defined in claim 4, further comprising grasp means which grasps the visual environment.

6. The image display system as defined in claim 5, wherein  
the grasp means measures at least one of color value, gamma and  
color temperature of a displayed image.

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7. The image display system as defined in claim 6, wherein:  
the displayed image is an image for presentation; and  
each of the image display devices is a projector type of  
display device which projects an image for presentation.

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8. An environment-compliant image processing method for  
representing substantially the same color at different  
locations, the method comprising the steps of:

grasping visual environments of an image display area in  
15 each of the different locations; and  
correcting colors of an image displayed at each of the  
different locations based on visual environment information  
indicating the grasped visual environment.

20 9. An environment-compliant image processing method for  
representing substantially the same colors as an image  
displayed at a reference location, the method comprising:

a reference image display step of displaying an image at  
the reference location; and

25 an individual image display step of displaying an image  
at a location different from the reference location,  
wherein the reference image display step includes:

a step of grasping visual environment of the reference location; and

5 a transmission step of transmitting reference visual environment information indicating the grasped visual environment to a location different from the reference location through a transmission path, and

wherein the individual image display step includes:

a step of grasping the visual environment of a location different from the reference location;

10 a reception step of receiving the reference visual environment information; and

a correction step of correcting colors of an image, based on the received reference visual environment and individual visual environment information indicating the grasped visual environment.

15. The image processing method as defined in claim 9,

wherein at least one of color value, gamma and color temperature of a displayed image is grasped in the grasp step 20 of grasping the visual environment.

25. The image processing method as defined in claim 10,

wherein the correction step includes a step of correcting input/output characteristic data for display.

12. A program embodied on an information storage medium or

in a carrier wave for displaying substantially the same image

at different locations, the program causing a computer to implement:

input means which inputs visual environment information indicating visual environment of an image display area; and  
5 correction means which corrects input/output characteristic data for display used by display means to represent ideal image colors, based on the inputted visual environment information.

10 13. The program as defined in claim 12, further causing the computer to implement:

reception means which makes a reception device receive image data for display from a predetermined processing device; and

15 means which makes a display device display an image based on the received image data and input/output characteristic data corrected by the correction means.

14. A program embodied on an information storage medium or  
20 in a carrier wave, using a plurality of image display devices provided at different locations to display an image compliant with visual environment of a specific location at each of the different locations,

the program causing a computer to implement:

25 means which makes transmission means transmit reference visual environment information of the specific location to part of the image display devices disposed at locations different

from the specific location through a transmission path, when the computer is disposed at the specific location;

means which makes reception means receive the reference visual environment information through the transmission path,  
5 when the computer is disposed at a location different from the specific location; and

correction means which corrects input/output characteristic data for display used by display means in each of the image display devices to display an image compliant with  
10 the visual environment of the specific location, based on the received reference visual environment information and individual visual environment information of a disposed location of the computer when the computer is disposed at a location different from the specific location.

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15. A program embodied on an information storage medium or in a carrier wave, using a plurality of image display devices provided at different locations to display an image compliant with visual environment of a specific location at each of the  
20 different locations, the program causing a computer to implement:

means which makes reception means receive reference visual environment information of the specific location transmitted from the specific location; and

25 correction means which corrects input/output characteristic data for display used by display means in each of the image display devices to display an image compliant with

the visual environment information of the specific location,  
based on the received reference visual environment information  
and individual visual environment information of a disposed  
location of the image display device different from the specific  
5 location.

16. The program as defined in claim 15,  
wherein the visual environment is grasped by grasp means  
which measures at least one of the color value, gamma and color  
10 temperature of a displayed image.